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ANNUAL REPORT

on the

Health of Denbighshire

for the

YEAR 1942

by

H. ARWEL THOMAS

M.Sc., M.B., Ch.B., M.R.C.S., L.R.C.P., D.P.H.

County Medical Officer.

16 Grosvenor Road,
Wrexham.

September, 1943.

Leigh & Williams Ltd., Colwyn Bay.

PREFACE.

To the Chairman and Members of the Public Health, Housing and Public Assistance Committee.

Mr. Chairman, Ladies and Gentlemen,

Annual Report, 1942.

I have the honour to present to you my Annual Report on the health of the County for the year 1942.

The report is very much attenuated, but contains the essential Vital Statistics, etc.

Birth Rate. A study of the Statistical Tables reveals that the birth-rate has been steadily declining for many years—though the average of 14·4 was fairly well maintained during the years 1933—1941. It is gratifying, therefore, to note that the birth-rate for 1942 shows an appreciable increase, the figure being 15·6 as compared with 14·4 in 1941 and an average of 14·4 for the previous 9 years.

Death Rate. Another fact, to which I draw attention with infinite pleasure, is that the death-rate for 1942 (11·4) is the lowest ever recorded in the County.

Infant Mortality Rate. Yet another record is to be referred to, and that is that the death-rate among children under 1 year of age (55·6) is the lowest ever registered in the County.

The staff remains unchanged, except for the appointment of Dr. M. Jones Roberts in June, 1942, whose duties chiefly concern evacuee mothers and children and school medical inspection. An additional temporary School Nurse was also appointed in July, 1942, and she has been engaged chiefly in the Western portion of the County dealing principally with evacuated children.

I wish to record my thanks to the County Public Health and Housing Committee, to the Clerk of the County Council, Mr. William Jones, C.B.E., and Mr. William Roberts, his Deputy, for much support and assistance. I appreciate also the devotion and loyalty of the County Health Staff at the central Health Department in Wrexham.

I am,

Your obedient Servant,

H. ARWEL THOMAS,
County Medical Officer.

COUNTY OF DENBIGH. TABLE I. Vital Statistics, 1942.

Districts.	No. of Births.	Birth-rate.	No. of Infant Deaths under 1 year of age.	Infant Mortality.	No. of Deaths.	Death-rate.
Urban.						
Abergele	128	15·2	11	85·9	108	12·8
Colwyn Bay	316	11·5	13	41·1	326	11·9
Denbigh	113	13·1	4	35·4	82	9·5
Llangollen	50	14·1	3	60·0	37	10·4
Llanrwst	46	17·4	3	65·2	38	14·4
Ruthin	49	13·4	4	81·6	48	13·1
Wrexham	501	17·4	34	60·6	327	11·3
Total Urban	1203	14·5	72	59·8	966	11·6
Rural.						
Aled	92	12·8	2	21·7	80	11·1
Ceiriog	129	18·0	4	31·0	103	14·2
Hiraethog	94	16·4	6	63·8	64	11·1
Ruthin	129	11·0	3	23·2	115	10·5
Wrexham	1122	18·0	67	59·7	687	11·0
Total Rural	1566	16·8	82	52·3	1049	11·2
Total County	2769	15·6	154	55·6	2015	11·4

STATISTICS.

	Female.	Male.	Total.
Live Births:—			
Legitimate	1348	1237	2585
Illegitimate	93	91	183
Birth-rate per 1000 of the estimated population		15·6	
Still-births	60	54	114
Rate per 1000 (live and still-births)		39·5	
Deaths	1001	1014	2015
Rate per 1000 of the estimated population		11·4	

	Deaths.	Rate per 1000 total Live and Still Births.
Deaths from Puerperal Causes:—		
Puerperal and Post-Abort. Sepsis	4	1·3
Other Maternal Causes	5	1·7

Death-rate of Infants under one year of age:—	
All Infants per 1000 live births	55·6
Legitimate Infants per 1000 legitimate births	48·8
Illegitimate Infants per illegitimate births	103·3

Staff.

There has been one addition to the medical staff, Dr. M. Jones Roberts being appointed on the 1st June, 1942, as Assistant Medical Officer. Her duties are chiefly

(a) in connection with the Government Evacuation Scheme—supervision of Sick Bays and War-time Nurseries; and

(b) School Medical Service.

Births.

2769 births were notified as occurring within the County area during the year, the birth-rate being 15·6 as compared with 14·4 in 1941 and a total births of 2617.

It is gratifying to note that the birth-rate is the highest recorded in the County since 1930, when the rate was 16·0. From 1933 to 1941 the rate averaged 14·4.

The Birth-rate in England and Wales was 15·8.

Deaths.

The number of deaths occurring in the County during 1942 was 2015, giving a death-rate of 11·4. These figures compare respectively with 2375 and 13·0 in 1941.

Not only is the death-rate in 1942 lower than that for England and Wales (11·6), but it is the lowest registered in the County since 1902, the year to which the earliest records in Denbighshire can be traced.

Infant Mortality.

The term "Infant Mortality" describes the deaths of young children before attaining their first birthday. In 1942, the number of such deaths was 154, or 55·6 as compared with 180 and 68·7 in 1941.

It is here again to be noted that the rate for 1942 was the lowest recorded in the County in 41 years—the rate in 1902 being 127·4.

The rate for England and Wales for 1942 was 49·0.

TABLE II. Causes of Infant Deaths, 1942.

DISEASE.	Districts			
	Urban		Rural	
	Male	Female	Male	Female
Diphtheria	1	—	—	—
Influenza	1	—	—	—
Bronchitis	1	2	2	3
Pneumonia	6	4	5	3
Appendicitis	—	—	—	—
Other Digestive Diseases	—	1	2	—
Premature Birth	8	9	7	6
Cong. Mal; Birth Inj; Inf. Dis.	11	10	22	14
Road Traffic Accidents	—	—	—	—
Other Violent Causes	1	2	3	1
All other Causes	4	2	3	3
Whooping Cough	—	3	2	1
Cerebro-Spinal Fever	—	2	—	1
Other forms of T.B.	—	—	1	—
Other Respiratory Diseases	—	1	—	—
Diarrhoea under 2 years of age	—	3	1	2
	33	39	48	34

TABLE III. Maternal Mortality.

	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Maternal Mortality Rate	6·2	7·1	6·3	4·4	3·7	2·07	3·4	4·0	3·5	4·8	3·2
Puerperal Sepsis	5	8	8	5	2	—	1	3	3	3	4
Other Puerperal Causes	10	9	7	6	7	5	7	6	6	10	5
Total	15	17	15	11	9	5	8	9	9	13	9

DIPHTHERIA IMMUNISATION.

Particular attention is being paid to the question of the immunisation of children in the County.

Talks to the mothers are given, both at the Clinics and at School Medical Inspection, by the medical staff, while the Health Visitors and School Nurses follow up with further advice, when necessary, during their visits to the homes.

Posters have been prominently displayed throughout the County, and in this connection the several air-raid shelters were singularly useful.

The total number of children immunised in the County during 1942 was:—

Under 5 years of age	3611
Over 5 years of age	4109

The total number of children immunised in the County since 1937 is 35,132.

TABLE IV. Births and Deaths Allocated to Areas.

	BIRTHS.				DEATHS UNDER 1 YEAR OF AGE.			
	Legitimate.		Illegitimate		Legitimate.		Illegitimate.	
	M.	F.	M.	F.	M.	F.	M.	F.
Urban.								
Abergele Urban	68	53	4	3	2	9	—	—
Colwyn Bay Borough	144	156	3	13	4	7	—	2
Denbigh Borough	59	44	5	5	1	2	—	1
Llangollen Urban	24	24	1	1	1	2	—	—
Llanrwst Urban	14	30	2	—	2	1	—	—
Ruthin Borough	24	24	1	—	2	2	—	—
Wrexham Borough	243	207	25	26	17	12	4	1
Total Urban	576	538	41	48	29	35	4	4
Rural.								
Aled Rural	43	40	5	4	1	1	—	—
Ceiriog Rural	69	53	3	4	3	—	1	—
Hiraethog Rural	49	38	4	3	1	1	2	2
Ruthin Rural	73	46	3	7	3	—	—	—
Wrexham Rural	538	522	37	25	33	28	4	2
Total Rural	772	699	52	43	41	30	7	4
Total County	1348	1237	93	91	70	65	11	8

INFECTIOUS DISEASES.

TABLE V. (a).

The following table furnishes particulars respecting the notifications received during 1942, and for comparative purposes the nine preceding years are shewn:—

Disease	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Diphtheria	657	705	440	586	750	405	276	407	396	318
Erysipelas	63	55	62	63	53	70	347	71	55	67
Scarlet Fever	259	313	473	586	324	295	20	317	246	227
Enteric Fever (including Typhoid and Paratyphoid)	11	7	3	3	6	1	4	16	16	8
Puerperal Fever	10	9	3	11	5	...	...	...	...	...
Puerperal Pyrexia	22	8	23	17	25	34	24	12	22	19
Cerebro-spinal Fever	3	3	1	...	...	...	11	192	83	32
Acute Poliomyelitis	1	...	...	1	...	1	1	6	...	2
Ophthalmia Neonatorum	13	11	12	20	12	15	11	12	5	2
Pulmonary Tuberculosis	177	183	229	197	195	210	180	218	210	176
Other Forms of Tuberculosis	77	63	82	82	63	84	53	72	64	82
Pneumonia	225	191	143	138	183	160	180	341	278	200
Encephalitis Lethargica	3	...	2	...	2	...	1	1	4	3
Acute Polio-encephalitis	...	...	...	...	...	2	...	...	2	1
Dysentery	...	1	...	9	...	...	71	119	22	60
Measles (excl. German Measles)	...	...	1	...	...	...	...	2373	1390	888
Malaria	...	...	...	...	1	...	30	...	...	...
Whooping Cough	...	...	...	...	...	...	...	394	746	272
Chickenpox	...	...	...	...	...	...	...	...	...	6
Totals	1521	1549	1474	1713	1619	1277	1209	4551	3539	2363

TABLE V. (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

District.	Pneumonia.	Scarlet Fever.	Pulmonary Tuberculosis.	Non-pulmonary Tuberculosis.	Ophthalmia Neonatorum.	Erysipelas.	Enteric Fever.	Cerebro-Spinal Fever.	Diphtheria.	Puerperal Pyrexia.	Measles.	Dysentery.	Chickenpox.	Whooping Cough.	Encephalitis Lethargica.	Acute Polio-Encephalitis.	Polio-Myelitis.
Abergele	18	20	8	...	...	14	...	4	19	...	106	...	2	45	1	...	...
Aled	5	17	3	3	...	1	2	3	23	...	8	2	...	2	1	...	...
Ceiriog	1	1	1	3	...	...	2	...	4	...	32	...	...	...	...	...	...
Colwyn Bay	17	50	30	16	...	4	...	2	29	2	50	26	...	5	1	...	1
Denbigh	10	2	13	6	...	1	...	...	27	3	22	5	...	7	...	...	1
Hiraethog	...	5	1	4	...	2	...	...	8	...	33	6	...	...	...	...	...
Llangollen Urban	...	4	2	...	...	2	...	...	...	...	18	...	...	...	...	...	...
Llanrwst Urban	...	2	5	1	...	...	...	...	7	...	...	...	...	1	...	...	...
Ruthin Borough	6	18	3	2	...	4	1	...	8	2	5	...	...	30	...	...	...
Ruthin Rural	15	22	14	2	...	3	...	1	19	...	47	6	4	13	...	...	...
Wrexham Borough	52	20	39	17	2	8	1	12	63	6	117	...	...	67	...	1	...
Wrexham Rural	76	66	57	28	...	28	2	10	111	6	450	15	...	102	...	...	...
Totals	200	227	176	82	2	67	8	32	318	19	888	60	6	272	3	1	2

TABLE VI. Infectious Diseases.

The following table gives the number of deaths from Infectious Diseases notified during the year, also the figures for the years 1938, 1939, 1940 and 1941.

	1938	1939	1940	1941	1942
Typhoid and Paratyphoid	—	—	—	1	2
Measles	3	1	3	4	—
Scarlet Fever	—	—	1	—	—
Whooping Cough	9	2	5	13	7
Diphtheria	29	11	21	13	13
Encephalitis Lethargica	5	9	2	—	—
Cerebro-Spinal Fever	—	2	30	8	6
Acute Polio-Encephalitis	—	—	—	1	1
Acute Inf. Encephalitis	—	—	—	7	3
Tuberculosis, Pulmonary	79	80	81	92	67
Tuberculosis, Non-Pulmonary	15	14	24	20	19

COUNTY OF DENBIGH.

TABLE VII. Causes of Death, 1942.

Disease	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hiraethog.	Llangollen.	Llanrwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Boro'	Wrexham Rural.	Totals.
Typhoid and Para-typhoid Fever	...	...	...	...	...	...	...	...	...	...	...	2	2
Cerebro-Spinal Fever	2	1	...	2	...	...	...	...	...	...	...	1	6
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	1	...	...	...	...	...	...	...	...	...	2	4	7
Diphtheria	...	1	...	...	...	...	...	3	...	...	3	6	13
Tuberculosis of the Resp. Syst.	3	2	3	4	7	4	...	1	1	2	12	28	67
Other Forms of Tuberculosis	1	3	2	...	1	1	...	1	...	...	5	5	19
Syphilitic Diseases ...	...	...	...	...	...	...	...	...	...	...	...	1	1
Influenza	1	1	1	4	1	1	...	...	...	...	2	6	17
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...
Ac. polio-myel and polio. enceph.	...	...	...	...	...	...	...	...	...	1	...	...	1
Ac. Inf. enceph.	1	1	...	...	...	...	...	...	...	...	...	1	3
Cancer of b. cav. and oesoph. (M) Uterus (F)	1	...	...	4	3	3	1	1	1	2	7	14	37
Cancer of stomach and duodenum	2	4	2	10	1	5	2	...	4	5	8	24	67
Cancer of breast	1	...	3	4	1	...	...	...	2	1	7	8	27
Cancer of all other sites	6	11	7	23	4	8	7	2	2	10	22	48	150
Diabetes	1	1	1	4	1	...	1	...	1	2	1	2	15
Intra. cran. vasc. lesions	15	8	20	55	10	11	4	4	7	15	37	79	265
Heart Disease	22	19	31	92	38	10	8	6	9	27	77	155	484
Other Circ. Dis.	...	2	...	28	4	2	...	...	2	3	3	8	52
Bronchitis	4	2	4	17	2	4	...	2	1	11	19	55	121
Pneumonia	3	1	6	11	7	1	1	1	1	5	21	31	89
Other Resp. Dis. ...	3	...	2	3	...	1	1	2	...	1	3	6	22
Ulcer of stomach or duodenum	1	1	...	3	1	1	...	...	...	1	3	5	16
Diarrhoea (under 2 years)	1	...	...	1	...	...	...	...	...	1	1	3	7
Appendicitis	...	1	...	1	...	...	...	...	1	...	3	7	13
Other Digve. Dis. ...	4	1	2	6	1	...	...	4	3	5	9	20	55
Nephritis	4	5	1	10	2	3	1	2	6	5	12	23	74
Puer. and post. abort. sepsis	...	...	...	1	...	...	...	...	...	...	2	1	4
Other maternal causes	...	...	...	...	...	...	...	...	...	2	...	3	5
Prem. Birth	4	...	1	3	2	1	...	...	...	...	8	11	30
Con. mal. birth inj. infant dis.	4	2	2	5	...	3	3	...	2	1	11	31	64
Suicide	...	...	...	1	...	...	...	...	...	1	3	6	11
Road Traffic Ac.	4	2	1	3	...	...	1	...	1	3	4	7	26
Other violent causes	4	4	3	6	...	...	1	2	2	2	15	26	65
All other causes	15	7	11	25	6	5	6	7	2	9	27	60	180
All causes	108	80	103	326	82	64	37	38	48	115	327	187	2015

TABLE VIII.

The number and percentage of deaths at different Age Periods are given below:—

Age Period	No. of Deaths.					Percentage of Total Deaths.
	URBAN DISTRICTS		RURAL DISTRICTS			
	Males	Females	Males	Females	Total	
0—1	33	39	48	34	154	7·6
1—5	13	10	22	10	55	2·7
5—15	9	8	5	12	34	1·6
15—45	33	47	63	53	196	9·7
45—65	129	94	139	133	495	24·5
65 and upwards	229	322	278	252	1081	53·6
	441	520	555	494	2015	

LABORATORY FACILITIES.

The Laboratories undertaking a variety of examinations for the County are:—

The Pathological Laboratory, Emergency Hospital, Wrexham.

Emergency Pathological Laboratory, Conway.

The Pathological Laboratory, Chester Royal Infirmary.

Wrexham and East Denbighshire War Memorial Hospital.

University College of North Wales, Bangor.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

Food and Drugs Acts.

Analyses are also undertaken by Mr. F. A. Lowe, County Analyst, Chester.

AMBULANCE SERVICE.

Wrexham Division (St. John).

No. of cases conveyed	2547
Mileage	18365
Accidents	131
Mileage	603
Total Cases	2678
Mileage	18968
First Aid cases treated	237
Public Functions	332
Attendances	979
Station duty hours (excluding A.R.P. duties)	13471

Colwyn Bay and District.

Total Cases	482
Fatal Accidents	25
Other Accidents	68
Admission to Hospital	125
Admission to Nursing Homes	68
Transport from house to house	85
Transport out of district	111
Total Mileage	10900
Ambulance Case Hours	839
Personnel Case Hours	3356

Rhosllanerchrugog Division (St. John).

Patients conveyed	442
Mileage	5125
Hours in Service	605

Oswestry and District (portion of district in County of Denbigh).

Journeys	328
Mileage (all ambulance journeys)	7835

Denbigh District.

The ambulance presented to the Borough Council by the Rotarians includes the transport of Maternity and accident cases in its service.

TABLE IX. Hospital Accommodation.

Name of Hospital	BEDS				Total	Remarks.
	Males	Females	Child	Others		
VOLUNTARY						
Wrexham War Memorial Hospital... ...	63	48	20	39	170	E.M.S. Beds 50 Reserve Annexe 78.
Colwyn Bay and West Denbighshire Hospital	22	22	9	7	60	
Denbighshire Infirmary, Denbigh	15	22	3	5	45	
Chirk and District Cottage Hospital ...	12	12	2	6	32	Private Wards, 6
Llangollen Cottage Hospital	4	6	2	4	16	
	116	110	36	61	323	
PUBLIC ASSISTANCE						
Croesnewydd, Wrexham					180	E.M.S. Beds—
Ruthin	20	20	8	5	53	Plas Maelor, 354.
					233	
FEVER HOSPITALS						
Wrexham Joint Fever Hospital	41	41	10	...	92	
Bronynant Isolation Hospital, Colwyn Bay					31	
St. Asaph Joint Isolation Hospital					87	
Croesynyd Hospital, Conway	14	16	8	16	54	
Small-pox Hospital (Rhydtalog)					12	
Abergele Sanatorium	42	10	189	...	241	
					517	
COUNTY MATERNITY HOSPITAL.						
Ruabon	...	12	...	12	12	Temporary Hospital

TABLE X.

Summary of Work of Health Visitors.

District	Notified No. of Births	No. of First Visits	No. of visits to children under 1 year	No. of visits to children 1—5 years	Expectant Mothers	
					First Visits	Total
Rhos and Penycae	226	201	1001	1376	15	29
Rhostyllen, Ruabon, Marchwiel, Isycoed and Abenbury	117	188	1004	1931	69	95
Coedpoeth, Southsea, New Broughton	130	137	621	1839	...	...
Brymbo, Broughton, Summerhill	171	182	962	764	17	28
Llay, Gresford, Rhosrobin	224	216	1100	904	21	39
Llangollen and Cefn	170	151	449	1339	8	8
Denbigh, Abergele and Aled Rural	280	323	976	1116	15	23
Llanrwst area	100	131	724	1301	39	50
Llansilin, Chirk and Glyn Ceiriog	112	135	706	2261	36	48
Ruthin Borough, Ruthin Rural and Cerrig ...	166	219	1021	1311	35	40
	1696	1883	8564	14112	255	360

TABLE XI.

THE ROBERT JONES AND AGNES HUNT ORTHOPÆDIC HOSPITAL.

RETURN showing the number of DENBIGHSHIRE (County) patients treated at Orthopædic Clinics during the year 1942, and the number of attendances made by such patients.

	On books 1/1/42.	Admitted during 1942.	Total treated.	Discharged in 1942.	On books 31/12/42. Active Treatment.	On books 31/12/42. Appliance Supervision.	Attend-ances.
MATERNITY AND CHILD WELFARE (-5 years)	173	142	315	86	229	—	697
SCHOOL MED. SERVICE (5-16 years)	460	280	740	186	551	3	1751
VOL. ORTHO. ASSOCIATION (16+ years)	495	299	794	290	442	62	1578
TOTALS	1128	721	1849	562	1222	65	4026

Age Transfers.—32 patients attained the age of 5 years, and 16 patients attained the age of 16 years, during the year. These are included in both age groups in which they were treated; therefore the correct total number of patients treated=1801.

In addition, 66 cases were examined by the Surgeons, for whom treatment was not advised. This brings the total attendances to 4092.

MENTAL DEFICIENCY ACTS.

	Males.	Females.
No. of patients at Coed-du Institution	—	76
No. of patients in Institutions (other than Coed-du)	41	14
No. of patients under Guardianship	6	6
No. of patients on licence from Institutions...	3	3
No. of patients certified during 1942:—		
Under 16 years	2	4
Over 16 years	—	1
For Institutions	2	5
For Guardianship	—	—

SUPPLY OF MIDWIVES.

	Domiciliary Midwives.	In Institutions.	Total.
Employed by the Local Supervising Authority	5	17	22
Employed by Voluntary Associations:—			
(1) Under arrangements made with the Local Supervising Authority	51	—	51
(2) Others (Voluntary Hospitals)	—	16	16
In Private Practice	18	—	18
	74	33	107

MIDWIFERY SERVICE.

Particulars of cases attended by Domiciliary Midwives.

	By Salaried Midwives.	By Independent Midwives.
No. of cases attended	1449	248
No. of times Medical Aid sent:—		
(a) during pregnancy	52	7
(b) during labour	199	56
(c) during puerperium	47	6
(d) for infants	59	6
No. of still-births notified	71	6
No. of forceps deliveries	59	56
No. of deaths of infants, 1 month	29	9
No. of maternal deaths	—	—
No. of maternity cases	201	49

CHILD LIFE PROTECTION.

No. of persons who were receiving children for reward during the year 11
No. of children at the end of the year 15
No. of children who died during the year —

HOME HELPS.

No. of Home Helps engaged during the year 7
No. of cases attended 23

AFTER-CARE OF TUBERCULOUS PATIENTS.

No. of cases receiving assistance under the County After-Care Scheme 68
Total cost of the grants in 1942£833/10/5

MIDWIVES ACT, 1918—SECT. 14.

No. of patients to whom medical aid was summoned by a certified midwife 342
Total amount of medical claims£715/10/0

SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 25375 lb. packets (dried milk).

OPHTHALMIA NEONATORUM.

10 cases of Ophthalmia Neonatorum were notified during the year with the following results:—

Vision unimpaired 10
Patient removed from County —
Patient died —

YEARLY REPORT ON THE WORK OF THE NORTH WALES SOCIETY FOR THE BLIND IN THE COUNTY OF DENBIGH FROM APRIL, 1942—MARCH, 1943.

This year the County of Denbigh has 414 Registered Blind Persons and 35 Evacuees under its care. Health in general is very good. Even though visits to blind persons have to be curtailed owing to petrol restrictions, the five Home Teachers still carry on to the best of their ability and see to the general needs of blind people in their area. Applications for Necessitous Grants and Medical Aid, etc., are still being sanctioned by the Society. The Teachers also teach the blind various handicraft and some are able to read Braille and Moon Embossed Type.

Several blind persons have been trained in Basketry, etc., at various Institutions, and there are approximately 12 Home Workers; 5 in Workshops; 5 Pastime Workers; 11 Learners and 2 Blind Persons training in Denbighshire. Owing to the present war conditions the difficulty of obtaining materials will curtail production but where possible alternative occupation is being found for workers.

Unemployable Blind grants are paid to 252 of the number of blind registered, plus 17 Evacuees. These are paid out fortnightly by the Society on behalf of the County Council.

Blind persons are issued with white sticks on application and free of-charge.

Library books are sent out regularly every Friday to Blind readers, the postages are borne by this Society.

Through the kindness of the British "Wireless for the Blind" Fund, Battery and Electric Wireless Sets had been supplied again this year and installed in the homes of the blind people. A great many of the repairs to old sets are carried out by the Society and batteries and other wireless accessories are supplied on application at half cost, the Society bearing the other half. Due to the war there is a very long delay in the delivery of wireless accessories, but it is unavoidable.

Each registered blind person was presented with a 10/- note as a Christmas gift to celebrate the Society's Diamond Jubilee; this gift was very much appreciated. In addition, the County Council kindly allowed a Christmas gift to all those blind persons receiving Unemployable Blind grants.

East Denbighshire is still worked under the Agreement with the National Institute for the Blind as far as collections, flag days, etc., are concerned, but the welfare of the blind is carried out entirely by this Society. In the Wrexham area teas, social gatherings, rambles and singing classes were held and were thoroughly enjoyed by the blind.

The Crosville Motor Company once again kindly issued approximately 114 Bus Vouchers at 2/6 per annum. No more applications for new vouchers or transfers will be considered.

53 blind persons from Denbighshire spent a very enjoyable holiday at the " Llys Onnen " Home, Abergele, during the year 1942-43, and are looking forward to another holiday next year.

MEDICAL AND DENTAL TREATMENT.

(Necessitous Cases).

No. referred to Medical Practitioners and accepted on their Panels	78
No. of Blind Persons supplied with Dentures free of cost	6

ANNUAL REPORT OF OBSTETRIC SERVICE.

(a) **Clinics.**

1813 new cases and 2758 re-examinations were seen at the various clinics.

(b) **Ruabon Hospital.**

217 cases were admitted and there were 188 births. There was one maternal death, admitted for haemorrhage due to retained placenta after delivery at home.

(c) **Gerwyn Hall.**

282 cases were admitted, of whom 86 were County and 196 evacuees. This makes a total of 681 since the Home was opened, 595 being evacuees. There has been no maternal death. All except two were ante-natally examined by me before admission and a special form of drug relief given in most cases. The results have been such that a report is being prepared later for publication in the current obstetric journal.

Instrumental delivery was only resorted to in ten of the cases and 9 Caesarean operations were found necessary. There were no notified cases of puerperal pyrexia. The still-birth rate (16 in all) was 23·5 per 1000, which compared most favourably with the County rate of 39·5 for the same period and with a rate of 59·9 10 years ago.

Two facts emerge from these figures:—

(a) The advantages of hospital confinements.

(b) The excellent results of non-interference in midwifery.

(d) **Consultations.**

244 consisting of:—

Ante-natal cases	61
(Toxaemia of pregnancy, 16)	
(Ante-partum Haemorrhage, 10)	
Miscarriage	10
Post-natal	21
Gynaecological	34
Puerperal Pyrexia	20
Post-natal and Gynaecological Operation	59
In labour	39

Including 10 Caesarian sections.

(e) **Maternal Deaths.**

Of the 7 deaths, 2 had attended the ante-natal clinics. One was admitted to hospital with haemorrhage after normal delivery at home, and died soon after admission. The other died at the Emergency Hospital following abdominal operation for evacuation of the uterus due to nephritic toxaemia at six months pregnancy, seen ante-natally for the first time two days before.

The others were due to:—

3. Infection following self-induced miscarriage (Colwyn Bay case at Ruthin Hospital).
4. Obstetric shock following delivery of twins—toxaemia (Denbigh Infirmary).
5. Infection following criminal abortion (War Memorial Hospital).
6. Pulmonary Embolus with nephritic toxaemia who refused to have the pregnancy terminated (Colwyn Bay).
7. Cerebral Embolus following femoral thrombosis (died at home in Wrexham).

(f) **Hospital Accommodation.**

Whilst the County Maternity Hospital will have to wait until after the war, the policy of admitting some County cases to Gerwyn Hall has been a step forward. Otherwise the accommodation now available for post-natal and gynaecological cases at the Wrexham Emergency Hospital and the Wrexham War Memorial Hospital has been a great help. At the latter, 151 operations were carried out, 51 being repair operations for injury incurred during child-birth, 16 were women operated on for sterility, 5 were pregnant, 3 were extra-uterine emergencies and 15 were incomplete miscarriage cases.

At the Emergency Hospital, not only gynaecological cases are seen, usually women in the services or factory workers, but also some ante-natal cases. The old difficulty of where to deal with miscarriages has been considerably eased by the beds available at these two hospitals, whereas the problem of infected miscarriages remains. The ideal method would be cubicle isolation as for infectious fever cases.

R. OWEN JONES.

TABLE XII.

Maternity and Child Welfare.

The following table furnishes information for 1942 with regard to the Maternity and Child Welfare Centres established in the County :—

Address	Whether Sessions are held weekly or fortnightly	Day and Time of Meeting	Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrangements for Medical Supervision
Southsea, Church Institute	Fortnightly	Monday a.m.	44	53	Assistant Med. Officer
Coedpoeth, Penygelli Schools	,,	Monday p.m.	54	83	,,
Llay, Presbyterian Chapel	,,	Monday p.m.	68	90	,,
Cefn, County Clinic	Weekly	Monday p.m.	46	134	,,
Brymbo, Council School	Fortnightly	Tuesday a.m.	33	63	,,
Broughton, Church House	,,	Tuesday p.m.	39	91	,,
Llanrwst, Watling Street	,,	Wednesday p.m.	7	68	,,
Glan C'way, Church Institute	,,	Monday p.m.	8	40	,,
Rhosrobin, County Clinic	,,	Wednesday a.m.	48	70	,,
Rhos, Leeswood House	Weekly	Wednesday p.m.	60	201	,,
Llangollen, Welfare House	Fortnightly	Wednesday p.m.	20	72	,,
Denbigh, County Clinic	,,	Wednesday p.m.	51	131	,,
Abergele, Church House	,,	Thursday p.m.	44	95	,,
Rhostyllen, Council School	,,	Wednesday a.m.	22	65	,,
Ruthin, Baptist Chapel	,,	Tuesday p.m.	50	133	,,
Chirk, The Mount	,,	Thursday p.m.	39	71	,,
Glynceiriog, Ceiriog Institute	,,	Tuesday p.m.	21	38	,,

TABLE XIII. (a). Cancer.

The following table gives the deaths and death rates from all causes of Cancer according to Sanitary Districts:—

Districts.	Deaths.			Rate per 1000 Population.
	Males.	Females.	Total.	
Urban Districts.				
Abergele	2	8	10	1·1
Colwyn Bay	19	22	41	1·5
Denbigh	3	6	9	1·0
Llangollen	6	4	10	2·8
Llanrwst	2	1	3	1·1
Ruthin	4	5	9	2·4
Wrexham	22	22	44	1·5
Rural Districts.				
Aled	10	5	15	2·0
Ceiriog	6	6	12	1·6
Hiraethog	8	8	16	2·7
Ruthin	7	11	18	1·6
Wrexham	47	47	94	1·5
Whole County ...	136	145	281	1·5

TABLE XIII. (b). Cancer—Age and Sex Distribution.

Age Group.	Urban.			Rural.			Grand Total.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
Under 1 year	...	...	...	...	...	...	...	...	...
1—5 years	...	...	...	...	...	...	...	...	...
5—15 years	...	...	...	...	...	...	...	...	...
15—45 years	4	4	8	6	9	15	10	13	23
45—65 years	24	24	48	26	41	67	50	65	115
65 and upwards ...	30	40	70	46	27	73	76	67	143
	58	68	126	78	77	155	136	145	281

CHRISTIE HOSPITAL AND HOLT RADIUM INSTITUTE, MANCHESTER.

New patients from Denbighshire (1/1/42—31/12/42).

Total number of cancer cases	70
Total number of non-malignant cases	41
	111
Number referred by voluntary hospitals	99
Number referred by Public Assistance Hospitals	3
Number referred by General Practitioners	3
Number of Consultants	3
Number referred by E.M.S. Hospital	3
	111

Cancer Cases.	Total.	Number treated by Radiation, X-Ray, Surgery, or Combined Techniques.	Number not treated—unsuitable or too advanced.
Lip and Mouth...	10	6	4
Breast	10	5	5
Skin	21	17	4
Cervix	9	9	—
Other sites	20	13	7
	70	50	20
Non-malignant Cases	41	13	28
	111	63	48

LIVERPOOL RADIUM INSTITUTE.

In-patients	25
Out-patients	18

WREXHAM AND DENBIGHSHIRE WAR MEMORIAL HOSPITAL.

No. of new cases referred from Wrexham Clinic in 1942	100
Total No. of attendances at Wrexham Clinic (old and new patients) in 1942	521
No. of 1942 referred cases treated in Wrexham	—
No. of 1942 referred cases treated in Radium Annexe, Prestbury:—	
In-patients	8
Out-patients	—
No. of 1942 referred cases treated in Christie Hospital, Manchester:—	
In-patients	14
Out-patients	25
No. of referred cases treated in Radium Annexe and Christie Hospital:—	
In-patients	5
Out-patients	—
No. of 1942 cases not treated	48

Table showing comparison in previous years:—

	1936	1937	1938	1939	1940	1941	1942
New patients:—							
Treated	10		25		26	45	52
Not Treated	11		17		32	37	48
	21	21	42	66	58	82	100
Examinations (old patients)	133	148	178	263	255	338	421
Total examinations (old and new patients)	154	169	220	329	313	420	521

CHESTER ROYAL INFIRMARY.

Deep Therapy:—	
In-patients	4
Out-patients	8
Radium:—	
Total number of attendances at the Institution	49
Number of patients	22
Number of cases referred to Christie Hospital, Manchester	19

TABLE XIV.

Public Health (Tuberculosis) Regulations, 1924.

District		No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
		Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele.	*Males*	17	6	3	...	5	...	15	6
	Females	23	6	5	...	2	1	26	5
Aled.	*Males*	43	26	2	1	2	...	43	27
	Females	55	20	1	2	3	...	53	22
Ceiriog.	*Males*	30	15	1	...	3	2	28	13
	Females	26	7	...	3	...	...	26	10
Colwyn Bay.	*Males*	80	34	17	8	6	2	91	40
	Females	68	41	13	8	5	...	76	49
Denbigh.	*Males*	17	8	9	6	2	2	24	12
	Females	28	12	4	...	2	2	30	10
Hiraethog	*Males*	20	14	1	4	...	...	21	18
	Females	25	9	...	...	2	...	23	9

Public Health (Tuberculosis) Regulations, 1924.—(Continued).

District		No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
		Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Llangollen Urban.	*Males*	6	2	1	...	3	...	4	2
	Females	15	...	1	...	4	...	12	...
Llanrwst Urban.	*Males*	9	6	4	1	1	...	12	7
	Females	4	7	1	...	1	...	4	7
Ruthin Borough.	*Males*	4	5	1	1	1	1	4	5
	Females	10	1	2	1	1	...	11	2
Ruthin Rural	*Males*	21	9	3	...	2	...	22	9
	Females	35	16	11	2	3	1	43	17
Wrexham Borough.	*Males*	93	57	22	9	5	...	110	66
	Females	73	30	17	8	4	...	86	38
Wrexham Rural.	*Males*	218	121	32	14	22	13	228	122
	Females	189	75	25	14	17	7	197	82
	Totals	1109	527	176	82	96	31	1189	578

TABLE XV.

Part I. Public Health (Tuberculosis) Regulations, 1930.

Summary of notifications during the period from the 1st January, 1942, to the 31st December, 1942, in the area of the County of Denbigh.

Age Groups	FORMAL NOTIFICATION. Number of Primary Notifications of new cases of Tuberculosis. 0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total	Total Notifications
Pulmonary Males	...	3	4	...	13	7	20	17	19	10	4	97	98
Pulmonary Females	...	2	4	...	6	14	30	8	4	3	1	72	79
Non-Pulmonary Males	1	4	8	4	5	5	6	2	3	...	1	39	40
Non-Pulmonary Females	...	3	5	4	5	5	9	5	...	...	...	36	37

Part II. Supplemental Return.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above mentioned period, OTHERWISE than by formal notification.

Age Groups	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total
Pulmonary Males	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Females	...	...	...	...	...	...	...	...	...	...	...	...
Non-Pulmonary Males	...	...	...	...	...	...	...	...	...	...	...	...
Non-Pulmonary Females	...	...	...	...	...	...	...	...	...	...	...	...

The source or sources from which information as to the above mentioned cases were obtained are given below :—

Source of Information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns :—		
From Local Registrars	...	...
Transferable deaths from Registrar General	...	...
Posthumous Notifications	...	...
"Transfers" from other areas other than Transferable Deaths	...	...
Other sources, if any (specify)	...	...

NOTIFICATION REGISTER.

Part III.

No. of cases of Tuberculosis remaining on December 31st, 1942, on the Register of Notifications kept by the District Medical Officers of Health in the County	Pulmonary			Non-Pulmonary			Total cases
	Males	Females	Total	Males	Females	Total	
	602	587	1189	327	251	578	1767
No. of cases removed from the Registers during the year	52	44	96	20	11	31	127

TABLE XVI. - Venereal Disease.

The following statistics, taken from the Returns supplied by the Treatment Centres, show the work undertaken during the year ended 31/12/42.

Clinic	Persons attending for the first time at Out-patient Clinic suffering from								Total attendances at Out-patient Clinic		No. of In-Patient days		No. of Persons treated with Salvarsan Substitutes	
	Syphilis		Soft Chancre		Gonorrhoea		Non-Venereal Condition							
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Wrexham	11	14	...	...	60	61	20	7	1268	1287	122	202	32	65
Chester	...	...	...	...	4	2	1	4	129	66	12	77	22	16
Bangor	...	4	...	...	1	4	...	...	...	...	...	14	...	11
Totals	11	18	...	...	65	67	21	11	1397	1353	134	293	54	92

TABLE XVII.

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE ADMINISTRATIVE COUNTY OF DENBIGH, 1942.

CAUSES OF DEATH.	Sex	Aggregate of Urban Districts							Aggregate of Rural Districts						
		All Ages	0—	1—	5—	15—	45—	65—	All Ages	0—	1—	5—	15—	45—	65—
ALL CAUSES	M	446	33	13	9	33	129	229	555	48	22	5	63	139	278
	F	520	39	10	8	47	94	322	494	34	10	12	53	133	252
1 Typhoid & Paratyphoid Fevers	M	...	...	...	...	...	...	...	1	...	...	...	1	...	...
	F	...	...	...	...	...	...	...	1	...	...	...	1	...	...
2 Cerebro-Spinal Fever	M	...	...	...	...	...	...	...	1	...	...	...	...	1	...
	F	4	2	1	...	1	...	...	1	1	...	...	...	...	...
3 Scarlet Fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 Whooping Cough	M	...	...	...	...	...	...	...	2	2	...	...	...	...	...
	F	3	3	...	...	...	...	...	2	1	1	...	...	...	...
5 Diphtheria	M	3	1	...	2	...	...	...	2	...	1	1	...	...	...
	F	3	...	2	1	...	...	...	5	...	3	2	...	...	...
6 Tuberculosis of Respiratory System	M	16	...	...	...	8	6	2	19	...	...	...	11	6	2
	F	12	...	...	...	11	1	...	20	...	...	1	12	5	2
7 Other forms of Tuberculosis	M	3	...	...	...	3	...	...	7	1	3	1	2	...	...
	F	5	...	3	1	...	1	...	4	...	2	...	1	1	...
8 Syphilitic Diseases	M	...	...	...	...	...	...	...	1	...	...	...	...	1	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9 Influenza	M	3	1	...	...	...	1	1	4	...	...	...	...	...	4
	F	5	...	...	...	1	1	3	5	...	...	...	...	2	3
10 Measles	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11 Ac. Polio-myel. & Polio-enceph.	M	...	...	...	...	...	...	...	1	...	...	...	1	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 Ac. Inf. Enceph.	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	1	...	...	...	1	...	...	2	...	...	...	...	1	1
13 Cancer of buc. cav. & oesoph. (m), uterus (f)	M	8	...	...	...	...	5	3	11	...	...	...	...	3	8
	F	10	...	...	...	1	5	4	8	...	...	...	1	6	1
14 Cancer of stomach & duodenum	M	15	...	...	...	2	8	5	23	...	...	...	1	6	16
	F	12	...	...	...	...	3	9	17	...	...	...	...	11	6
15 Cancer of breast	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	15	...	...	...	2	7	6	12	...	...	...	3	5	4
16 Cancer of all other sites	M	35	...	...	...	2	11	22	44	...	...	...	5	17	22
	F	31	...	...	...	1	9	21	40	...	...	...	5	19	16
17 Diabetes	M	4	...	...	...	...	2	2	3	...	...	...	...	2	1
	F	5	...	...	...	1	1	3	3	...	...	...	1	2	...
18 Intra-cranial vascular lesions	M	50	...	...	...	...	12	38	59	...	...	...	1	18	40
	F	82	...	...	...	2	15	65	74	...	...	...	1	23	50
19 Heart Disease	M	106	...	...	1	3	34	68	112	...	...	...	6	24	82
	F	136	...	...	...	4	18	114	130	...	...	...	5	25	100
20 Other dis. of circ. system	M	14	...	...	...	...	1	13	9	...	...	...	1	...	8
	F	23	...	...	...	2	4	17	6	...	...	...	...	1	5
21 Bronchitis	M	27	1	1	1	...	9	15	51	2	3	...	2	8	36
	F	18	2	1	...	1	2	12	25	3	...	...	...	5	17
22 Pneumonia	M	25	6	3	...	2	8	6	30	5	7	...	4	7	7
	F	20	4	1	1	1	4	9	14	3	1	...	...	3	7
23 Other resp. diseases	M	5	...	...	...	...	2	3	7	...	...	...	2	4	1
	F	7	1	1	1	1	...	3	3	...	...	...	...	2	1
24 Ulcer of stomach or duodenum	M	6	...	...	...	1	5	...	7	...	...	...	2	4	1
	F	2	...	...	...	...	2	...	1	...	...	...	...	...	1
25 Diarrhoea, under 2 years	M	...	...	...	...	...	...	...	2	1	1	...	...	...	...
	F	3	3	...	...	...	...	...	2	2	...	...	...	...	...
26 Appendicitis	M	3	...	2	...	...	...	1	5	...	...	1	2	2	...
	F	2	...	...	...	1	...	1	3	...	...	1	...	2	...
27 Other digestive diseases	M	13	...	2	...	3	4	4	11	2	2	1	...	3	3
	F	14	1	...	...	3	4	6	17	...	1	...	4	3	9
28 Nephritis	M	16	...	...	...	...	5	11	23	...	...	...	4	8	11
	F	21	...	...	1	3	5	12	14	...	...	...	...	7	87
29 Puer. & Post-abort. sepsis	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	3	...	...	...	3	...	...	1	...	...	...	1	...	...
30 Other maternal causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	5	...	...	...	5	...	...
31 Premature Birth	M	8	8	...	...	...	...	...	7	7	...	...	...	...	...
	F	9	9	...	...	...	...	...	6	6	...	...	...	...	...
32 Con. mal. birth inj. infant dis.	M	13	11	1	1	...	...	...	22	22	...	...	...	...	...
	F	12	10	...	1	...	1	...	17	14	...	1	1	1	...
33 Suicide	M	3	...	...	...	...	...	3	4	...	...	...	2	1	1
	F	1	...	...	...	...	1	...	3	...	...	...	2	1	...
34 Road Traffic Accidents	M	11	...	1	1	1	5	3	10	...	...	1	3	3	3
	F	2	...	...	...	2	...	...	3	...	...	...	1	1	1
35 Other violent causes	M	15	1	1	2	3	6	2	27	3	3	...	9	10	2
	F	15	2	1	1	1	1	9	8	1	1	...	2	1	3
36 All other causes	M	44	4	2	1	5	5	27	50	3	2	...	4	11	30
	F	44	2	...	1	4	9	28	42	3	1	7	7	6	18

REPORT OF J. H. WYNNE, COUNTY VETERINARY OFFICER FOR THE YEAR 1942.

DISEASES OF ANIMALS ACTS AND ORDERS.

The Quarterly Reports of the Divisional Veterinary Inspector, Ministry of Agriculture and Fisheries, show the total number of confirmed cases to be:—

Anthrax	1
Sheep Scab	22
Tuberculosis	103

No Swine Fever, no Parasitic Mange (Scabies), no Foot and Mouth Disease, and only 1 of Anthrax is a very desirable record, while Sheep Scab has diminished from 30 outbreaks confirmed in 1941. Tuberculosis has increased by 10 cases from 93 dealt with in 1941.

MILK AND DAIRIES ACTS AND ORDERS.

During the year 38 "Tuberculin Tested" licences and 446 "Accredited" licences were issued under the Milk (Special Designations) Orders.

CLINICAL INSPECTION.

(a) Tuberculin Tested Herds are clinically examined every 6 months in addition to the testing with tuberculin.

There were 63 herd inspections involving 2473 animals, none of which had to be dealt with under the Tuberculosis Order.

(b) Accredited Herds. Clinically examined every 3 months; 40,448 examinations were conducted resulting in the detection and slaughter of 42 cows under the Tuberculosis Order.

(c) Non-designated Herds. Clinically examined every 6 months in Denbighshire, the only North Wales County where these herds are periodically examined.

25,695 examinations resulted in the detection of 21 cattle affected with Tuberculosis, and these were slaughtered under the Order.

TUBERCULIN TESTING OF HERDS LICENCED TO PRODUCE TUBERCULIN TESTED MILK.

No. of Cattle tested	2199
No. of Re-actors	24

TUBERCULOUS MILK—VETERINARY INVESTIGATION.

No. of investigations not completed at end of 1941	3
No. of fresh reports from Medical Officers of Health	11
No. of herds involved	60
No. of cases of Tuberculosis of Udder found	1
No. of investigations not completed at end of 1942	—

The 60 herds involved include 50 that were supplying milk to a Milk Collecting Depot (Creamery) in this County (with about 210 herds from other Counties).

The County Medical Officer of Health received complaints from two County Boroughs that milk sent by the Creamery to their Boroughs contained living Tubercle Bacilli, and there was a second report from one of the Medical Officers of Health some time later; Dr. Arwel Thomas decided to send for biological examination a sample of milk from each of the Denbighshire herds contributing to the bulk collected by the Depot involved, and of the 50 samples 7 were certified to be positive.

Although veterinary investigation only resulted in one case of tuberculosis of the udder being found, on two other farms cows had been slaughtered under the Tuberculosis Order subsequent to the taking of the original samples, but prior to the tuberculous milk investigation.

TUBERCULOSIS (ATTESTED HERDS) SCHEME.

No. of attested herds at the end of the year	267
No. of supervised herds	1

J. H. WYNNE,
County Veterinary Officer.